

March 27, 2019



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 20288
(FIRST REVISION)

EXPIRATION DATE: 2023-02-28

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Department of Defense (Military Surface Deployment
& Distribution Command)
Scott AFB, IL
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation of lithium ion batteries in carry-on luggage with a Watt-hour rating greater than 100 Wh but not greater than 294 Wh. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. This special permit serves as an approval under Special Provision A88 of the International Civil Aviation Organizations Technical Instructions (ICAO TI) and as a "Competent Authority Approval" as defined under 49 CFR § 107.1.
 - d. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

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4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 175.10(a)(18)(ii) in that lithium ion batteries may not exceed 100 Wh, except as provided herein.
5. BASIS: This special permit is based on the application of Department of Defense dated July 12, 2018 submitted in accordance with § 107.105, the public proceeding thereon, and 107.109.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Lithium ion batteries, contained in equipment	9	UN3481	N/A

7. SAFETY CONTROL MEASURES:

a. OPERATIONAL CONTROLS:

- (1) Batteries contained in equipment identified as the Compact Uninterruptable Power Supply (CUPS) with each battery comprised of not more than a total of 24 cells in two sections within a CUPS, described in US Army's application for special permit dated July 27, 2016 and on file with the Office of Hazardous Materials Safety Approvals and Permits Division may be offered for transportation under the terms of this special permit.
- (2) The units of the CUPS with Part Numbers BT-70791CG (Model BB-2590/U) or BT-70791CK, (Model BB-2590/U) at not more than 294 Wh or 225 Wh rating, respectively, are authorized for transportation under this special permit.
- (3) Each of the two battery sections must be installed with a protection circuit to prevent overcharge and over discharge.
- (4) The batteries must be protected against short-circuiting.

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- (5) Batteries must be at a state of charge not greater than 30% during transportation.
- (6) Transport is limited to two CUPS units per person, with no more than two persons traveling onboard each passenger carry aircraft at one time. While onboard passenger carry aircraft, the CUPS units must be stored in the overhead bin. There are no limits to the number of persons and CUPS units, to include storage restrictions, when DOD personnel travel onboard FAA 135 certified aircraft as supernuaries (defined in 14CFR, Part 135.85 (c)(e)).
- (7) The batteries must be equipped with a means of preventing dangerous reverse current flow (e.g., diodes or fuses).

b. TESTING:

- (1) All cells within the CUPS units must be of a type proven to have successfully passed the required tests in accordance with the UN Manual of Tests and Criteria, 5th Revised Edition.
- (2) Each section of two batteries within a CUPS unit must be of a type proven to have successfully passed the required tests in accordance with the UN Manual of Tests and Criteria, 5th Revised Edition.

c. PACKAGING:

- (1) Each unit of the CUPS must be placed in a strong metallic housing identified as CUBIC's GATR PN 78535 - 104801 that completely encloses the batteries contained in equipment and its lid must be closed securely and tight to prevent any unintended opening and activation during transportation.
- (2) The net weight of batteries within each CUPS unit must not exceed 2.9 kg (6.3 pounds).
- (3) The gross weight of each CUPS unit must not exceed 4.2 kg (9.2 pounds).

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8. SPECIAL PROVISIONS:

a. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

b. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, and destination.

c. This special permit in no way provides relief from obtaining approval of the Pilot in Command of the aircraft before the CUPS units are to be transported onboard as carry-on luggage. The Pilot in Command of the aircraft must have the right to refuse carriage of the CUPS units, if he/she determines that the CUPS units pose an unnecessary risk to the safe operation of the aircraft.

9. MODES OF TRANSPORTATION AUTHORIZED: Passenger carry aircraft, and FAA certified 135 aircraft, where DOD personnel would be non-revenue paying passengers (i.e. supernumeraries).

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each aircraft used to transport packages covered by this special permit. The carrier of the CUPS unit must furnish a copy of this special permit to the Pilot in Command of the aircraft before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

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Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) – "The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

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Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: SH/TG